

General Specifications

7 scales maximum (decumulative)

4 scales maximum (net weight)

E-300 Series controls are available in two configurations:

- 300D batches all materials by net weight
- 300D batches aggregates by decumulative net weight and cement/water by net weight.

Standard Features

E-300A Features

- 4 of 4 aggregates, batched by net weight
- Pre-batching of cements, aggregates and water
- One switch for discharging aggregate weigh belt or weigh batcher

E-300D Features

- 2 of 2 aggregates (decumulative)
- Pre-batching of cements and water
- Refill mode for suspending batching while refilling aggregate bins in automatic

E-300A & E-300D Features

- Programmable logic controller (PLC) with power supply
- 1 of 1 cement (or fly ash), batched by screw or gravity
- 1 weighed water
- 2 of 2 admixtures
- NEMA 4 control enclosure
- All switchgear is rated NEMA 4, corrosion resistant
- Key locked power on-off selector switch
- Manual-Auto selector switch
- Manual controls for batching and discharge of all materials
- Display readout with 4 lines and 20 characters per line
- Emergency stop switch located on control panel
- Start-Stop switch for incline conveyor with 10 second warning alarm for start-up
- Aggregate gate jog control
- Automatic gate chatter if no flow is detected through gate
- Automatic material freefall correction
- One switch for discharging of aggregate weigh belt or batcher
- One cement bin low indicator light
- Material inventories of cement, water, aggregates and admixtures batched in automatic
- Manual moisture compensation for all aggregates
- Over/Under weight checks
- Pre-weighs all materials
- Batch size selector switch, 25%, 50%, 75%, 100%
- Tolerance band for each material weighed
- Full digital calibration of scales

Optional Features

- 3 of 3 aggregates • 4 of 4 aggregates • 5 of 5 aggregates
- 6 of 6 aggregates • 7 of 7 aggregates
- 2 of 2 cement (or fly ash) batched by screw or gravity
- 3 of 3 cement (or fly ash) batched by screw or gravity
- 3 of 3 admixtures • 4 of 4 admixtures • 5 of 5 admixtures
- Compressor on-off switch
- Aeration/blower on-off switch
- Cement bin high or low level indicator lights
- 10 Second start-up delay and warning horn for customer supplied mixer
- Mixer discharge door, open-close switch with open-close indicator light
- Slump (amp) meter
- Temper water switch
- Metered water system
- Automatic Moisture Compensation
- Load cell summing box for one to four load cells
One of these summing boxes is required for every scale
- Shielded signal cable (summing junction box to control)
- Recordation package. Includes: software to record automatic batched weights, inventory printer, serial board and 15' of cable. Provides the following data:

Ticket Information

(Automatic batching mode only)

- Batch number
- Time
- Target weights of each material
- Actual weights of each material
- Moisture percentage for aggregates
- Target and actual counts for admix systems
- 10ths of a gallon for metered water

Inventory

- Formula Number
- Date
- Time
- Date
- Tons of materials used in automatic batching
- Pounds less than 1 ton used in automatic
- Admix counts accumulated

PLC Software Optional Features

(Optional software may require additional hardware)

- TravelKrete logic control
- Automatic demand from wet holding hopper
All the same mix design. One station per mixer door
- Mixer moisture interface to a Mixer Moisture System
- Mixer timer with hot mix alarm (with external bell)
- Automatic flogate control (aggregate and cement)
- Multiple mixers with one mix design
- Aggregate discharge to skip hoist or holding hopper while weighing cement and water
- Control design with 4 (dry or wet) colors and ten mix designs
- Custom programming is available (consult factory)

Note: If control is sold as a separate (stand alone) unit, the load cells, the digital summing boxes and the shielded cable must be included. Consult engineering for the correct load cell size.

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Mixer Systems is a leading supplier of high performance manufacturing systems for the concrete products industry. The quality controls shown here are just one example of our capabilities — from plant automation to complete plant design and layout to process components — everything you need to increase your profits:

- Turbin Mixers
- Spiral Blade Mixers
- Skip Hoists
- Pocket Belts
- Turn key design
- BatchMASTER Production Plants
- EconoBatch Production Plants
- TravelKrete overhead delivery systems
- Bins, silos, hoists and conveyors

Call or write for more information on
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Unit pictured may include optional equipment. Specifications subject to change without notice.



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